

(12) UK Patent (19) GB (11) 2 401 638 (13) B

(45) Date of publication:

(54) Title of the invention: Plastically deforming and radially expanding a tubular member

(51) Int Cl7: E21B 43/10 19/16 23/00

(21) Application No:

0418439.6

(22) Date of Filing:

27.09.2001

Date Lodged:

18.08.2004

(30) Priority Data:

(31) 60237334

(32) 02.10.2000 (33) US

(62) Divided from Application No 0306046.4 under Section 15(4) of the Patents Act 1977

(43) Date A Publication:

17.11.2004

(52) UK CL (Edition X): E1F FLA

(56) Documents Cited: None

(58) Field of Search:

As for published application 2401638 A viz: UK CL (Edition W) B3J, E1F INT CL7 B21D, E21B

Other:

updated as appropriate

(72) Inventor(s):

Robert Lance Cook Edwin A Zwald

Kevin Karl Waddell

Lev Ring

Andrei Gregory Filippov

(73) Proprietor(s):

Shell Oil Company (Incorporated in USA - Texas) 910 Louisiana Street, Houston,

Texas 77252-2463,

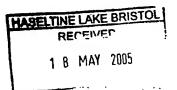
United States of America

(74) Agent and/or Address for Service:

Haseltine Lake & Co

Redcliff Quay, 120 Redcliff Street,

BRISTOL, BS1 6HU, United Kingdom



COPY TO

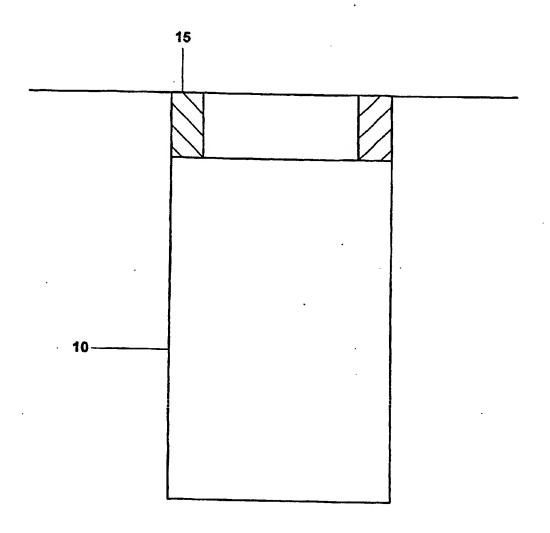


Fig. 1a

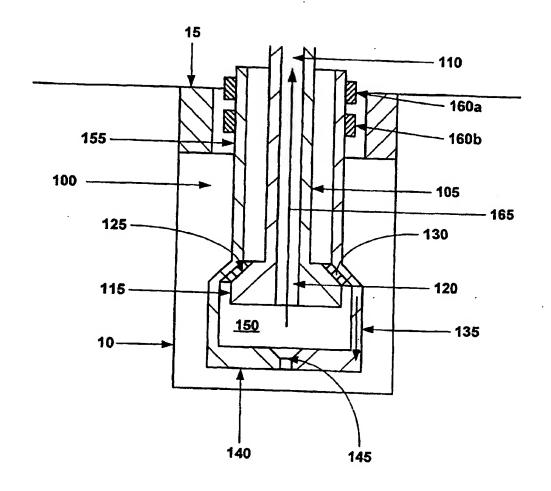


Fig. 1b

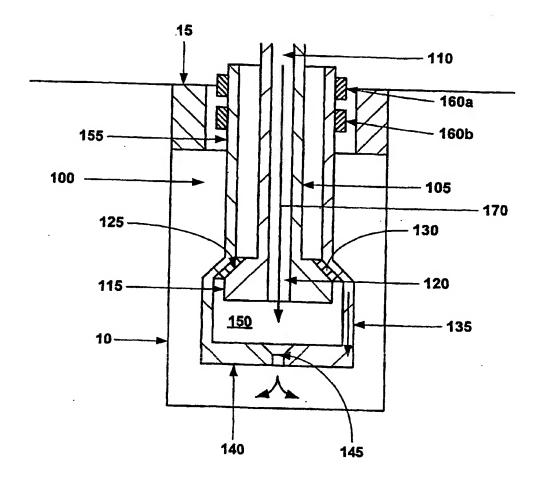


Fig. 1c

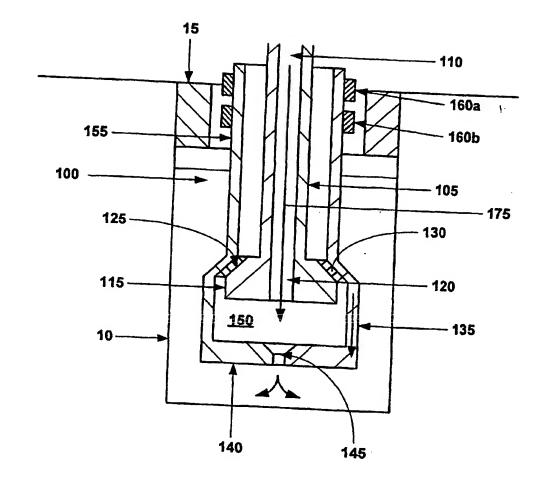


Fig. 1d

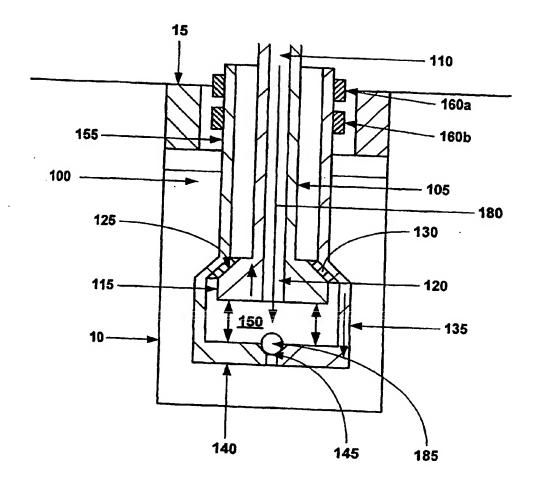


Fig. 1e

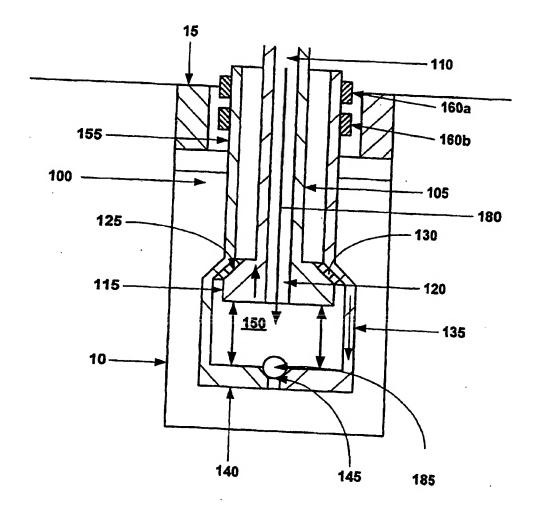


Fig. 1f

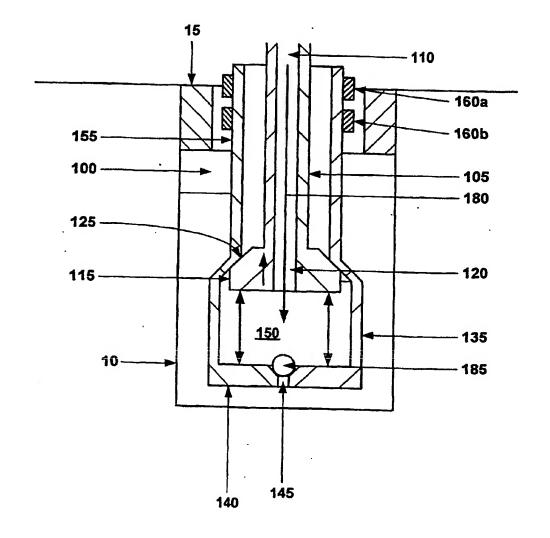


Fig. 1g

}

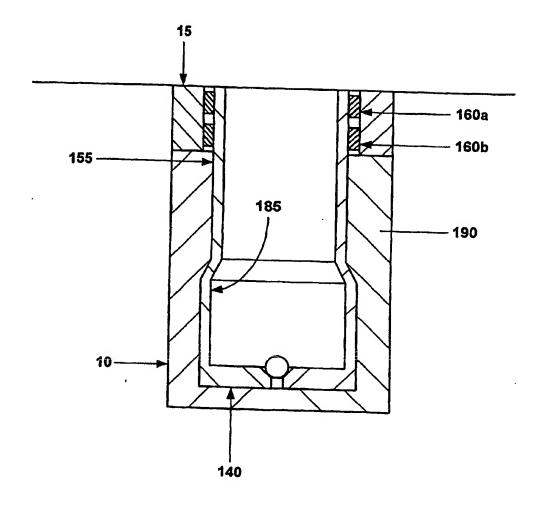


Fig. 1h

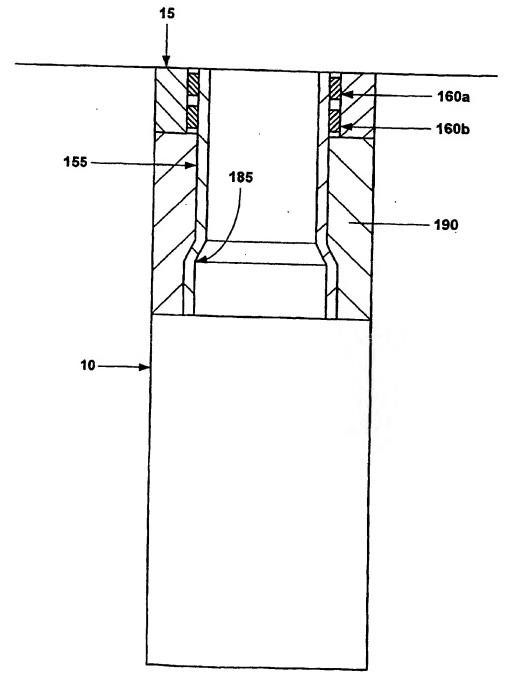


Fig. 1i

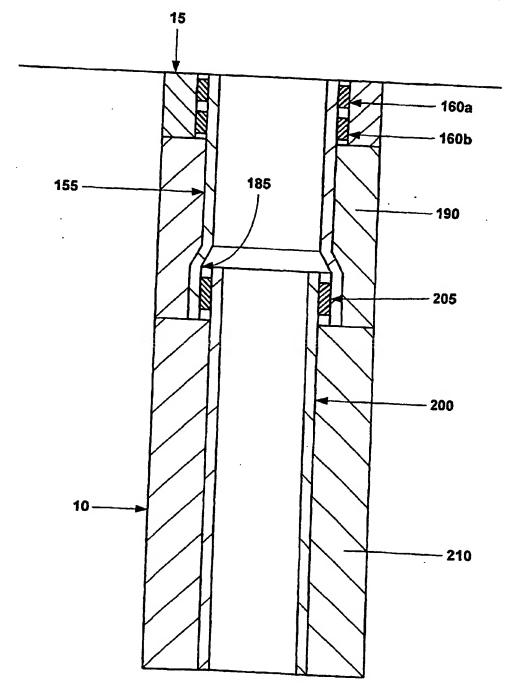


Fig. 1j

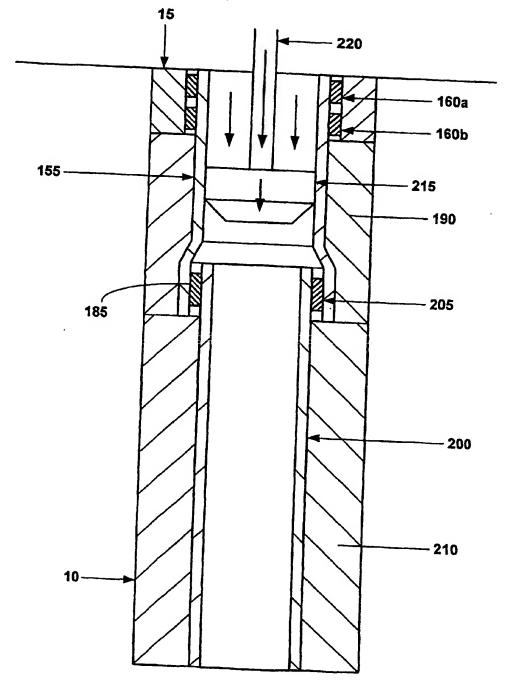


Fig. 1k

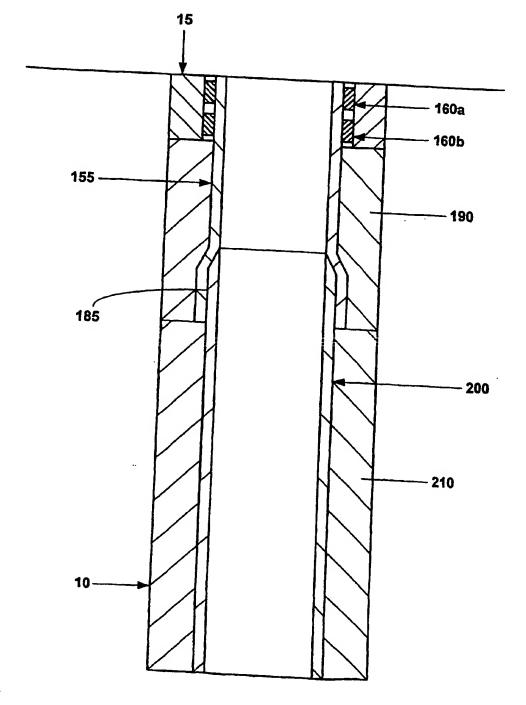


Fig. 11

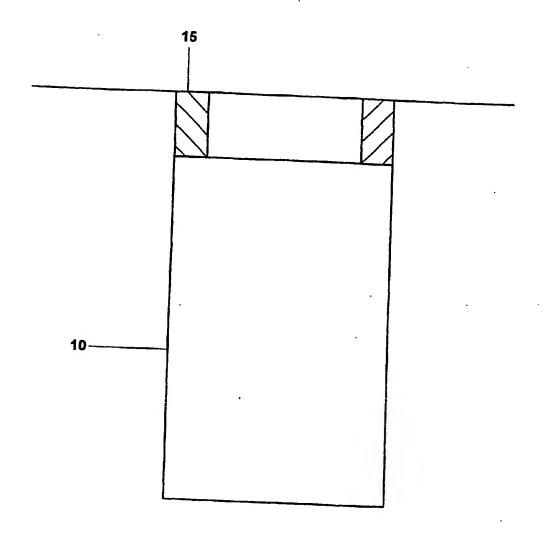


Fig. 2a

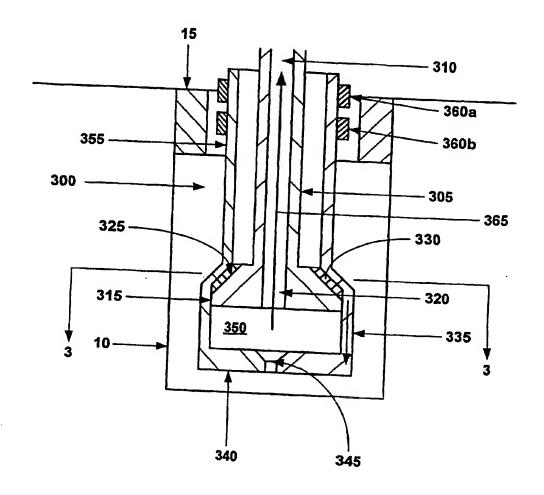


Fig. 2b

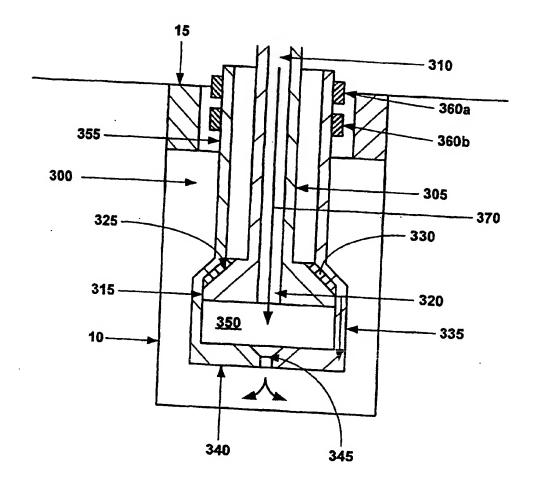


Fig. 2c

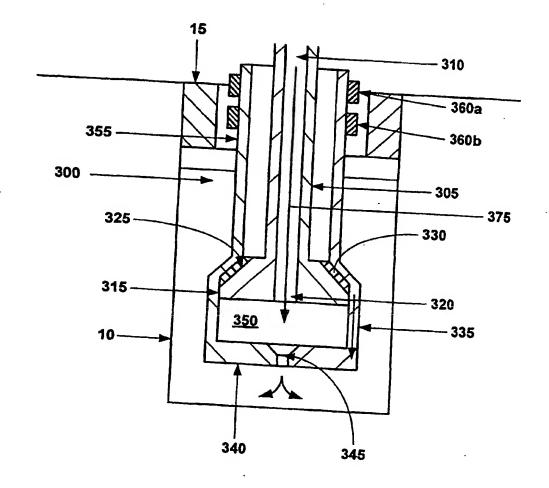


Fig. 2d

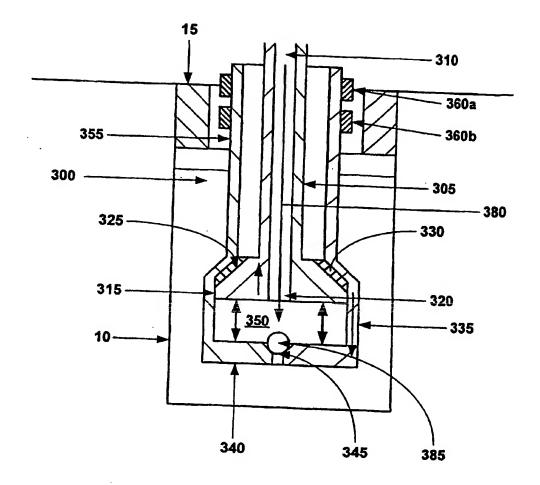


Fig. 2e

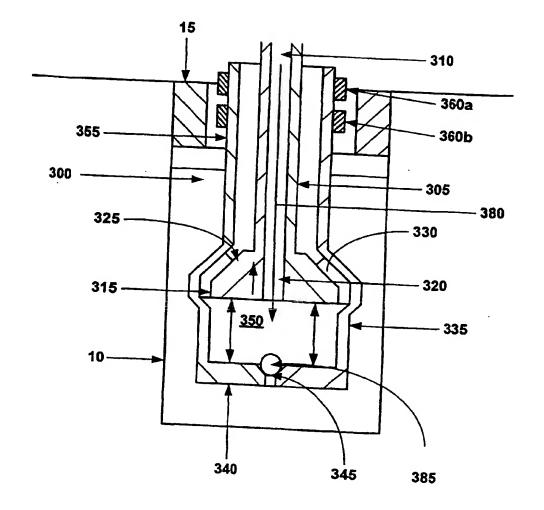


Fig. 2f

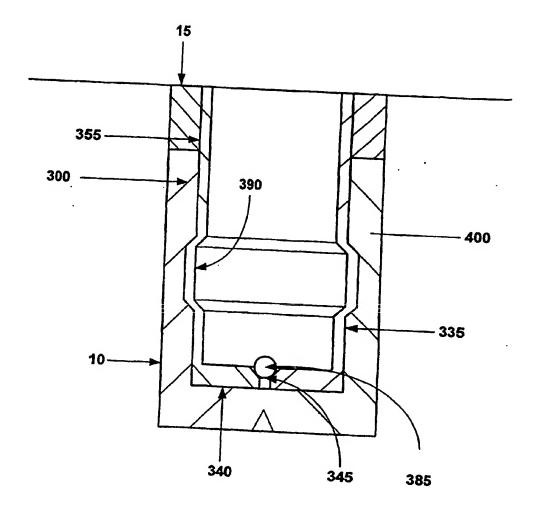


Fig. 2g

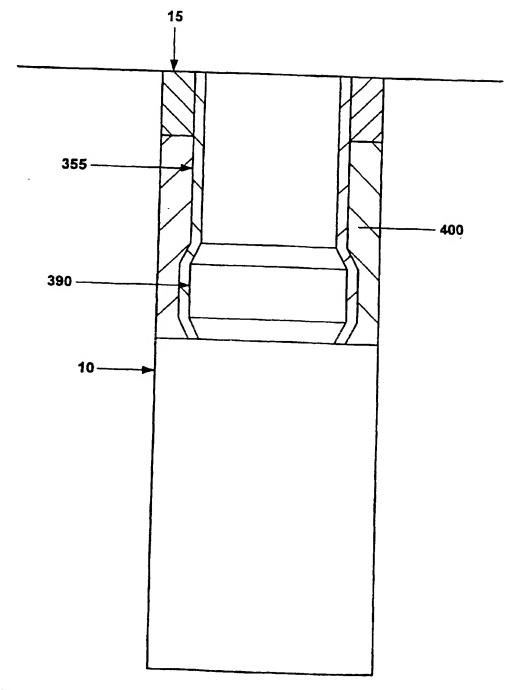


Fig. 2h

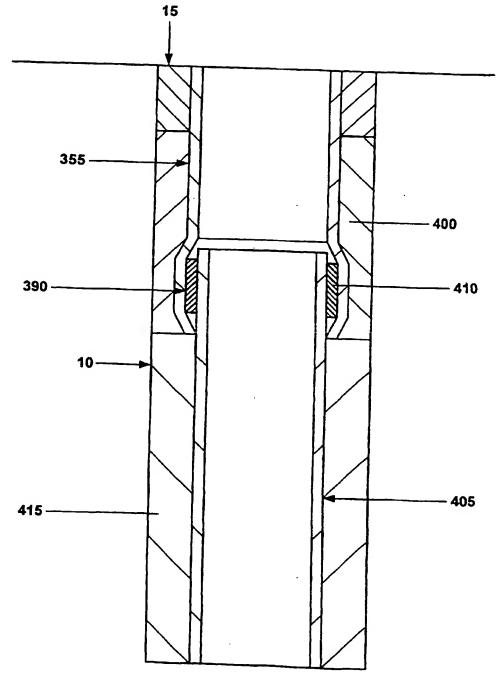


Fig. 2i

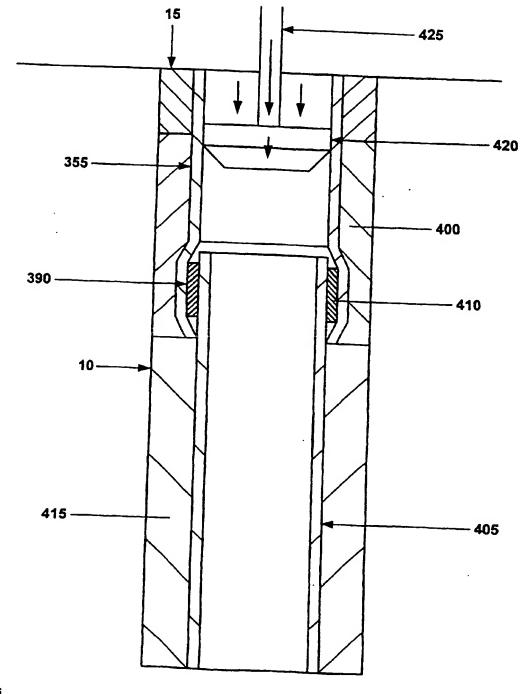


Fig. 2j

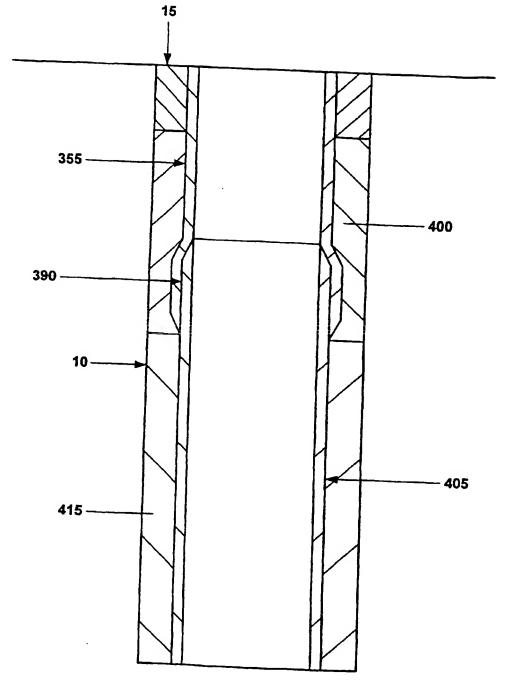


Fig. 2k

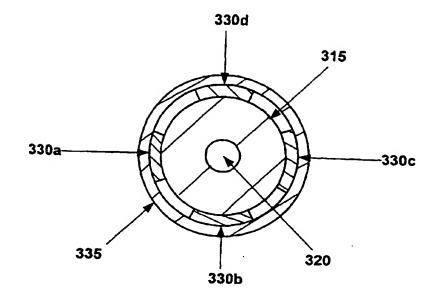


Fig. 3

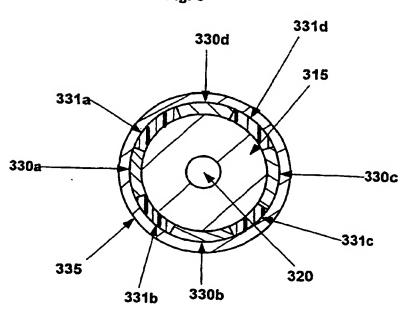


Fig. 3a

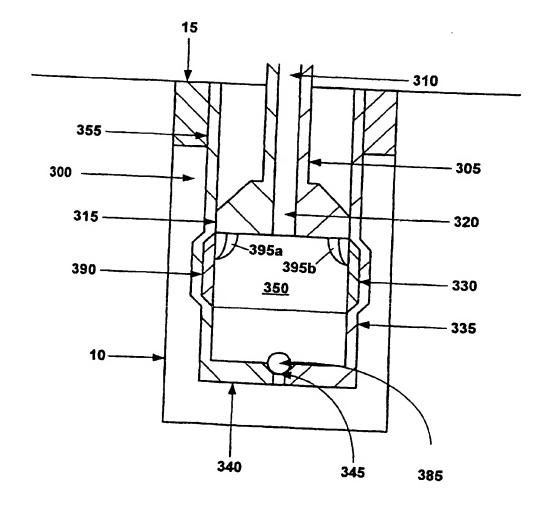


Fig. 4

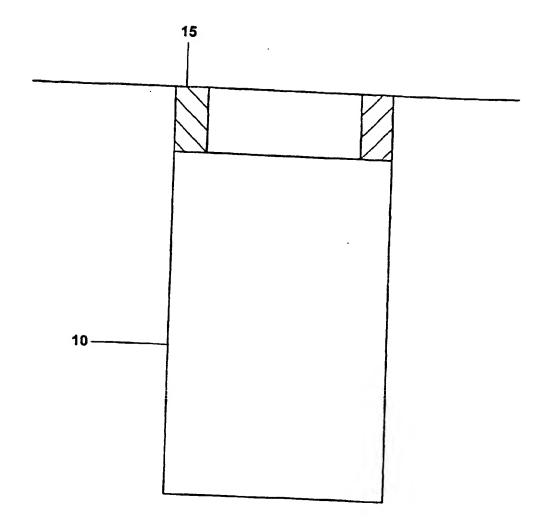


Fig. 5a